

INTERNATIONAL SEARCH REPORT

PCT/NL 03/00011

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 3-11, 13-15 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>WESTENFELDER C ET AL: "Anti-apoptotic, mitogenic and motogenic actions of erythropoietin on tubular cells protect renal function and accelerate recovery from ischemic acute renal failure in rats."</p> <p>JOURNAL OF INVESTIGATIVE MEDICINE, vol. 49, no. 1, January 2001 (2001-01), page 59A XP001098490</p> <p>Joint Regional Meeting of the Western Section American Federation for Medical Research, the Western Society for Clinical Investigation and the Western Association of Physicians; Carmel, California, USA; February 07-10, 2001, January, 2001</p> <p>ISSN: 1081-5589</p> <p>the whole document</p>	14
Y	<p>ARCASOY MURAT O ET AL: "Erythropoietin (EPO) stimulates angiogenesis in vivo and promotes wound healing."</p> <p>BLOOD, vol. 98, no. 11 Part 1, 16 November 2001 (2001-11-16), pages 822a-823a, XP001098491</p> <p>43rd Annual Meeting of the American Society of Hematology, Part 1; Orlando, Florida, USA; December 07-11, 2001, November 16, 2001</p> <p>ISSN: 0006-4971</p> <p>the whole document</p>	15
Y	<p>KRAUSE KORFF T ET AL: "Recombinant human erythropoietin stimulates angiogenesis in a novel in vitro assay of human myocardial tissue."</p> <p>JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY, vol. 37, no. 2 Supplement A, February 2001 (2001-02), page 236A XP001097301</p> <p>50th Annual Scientific Session of the American College of Cardiology; Orlando, Florida, USA; March 18-21, 2001</p> <p>ISSN: 0735-1097</p> <p>the whole document</p>	15
Y	<p>WO 00 53173 A (TILLYER RICHARD D ; REIDER PAUL J (US); VEGA JOSE M (US); XU FENG ()</p> <p>14 September 2000 (2000-09-14)</p> <p>claims 14,49</p>	12
Y	<p>US 5 747 504 A (SCHOELKENS BERNWARD ET AL) 5 May 1998 (1998-05-05)</p> <p>claim 1</p>	12

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K38/18 A61P9/04 A61P9/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, MEDLINE, BIOSIS, EMBASE, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 61164 A (KENNETH S WARREN LAB) 19 October 2000 (2000-10-19) cited in the application page 14, line 19,20; figure 6; example 6 page 23, line 28-35	1-11,14
Y	page 9, line 24	6-9
X	WO 01 82952 A (BJERKE THORBJOERN ;FROEKIAER JOERGEN (DK); NIELSEN SOEREN (DK); AC) 8 November 2001 (2001-11-08) cited in the application page 37, line 12 -page 41, line 19 page 12, line 34 -page 13, line 2 page 20, line 33	1-11,14

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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

15 April 2003

Date of mailing of the international search report

24/04/2003

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 813 877 A (SMITHKLINE BEECHAM CORP) 29 December 1997 (1997-12-29) cited in the application column 2, line 50 -column 3, line 10; claim 5 ---	1,3,5-9, 11,14
X	SILVERBERG DONALD S ET AL: "The use of subcutaneous erythropoietin and intravenous iron for the treatment of the anemia of severe, resistant congestive heart failure improves cardiac and renal function and functional cardiac class, and markedly reduces hospitalizations." JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY, vol. 35, no. 7, June 2000 (2000-06), pages 1737-1744, XP002212471 ISSN: 0735-1097 cited in the application the whole document ---	1,3,5-9, 11,14
X	MANCINI DONNA ET AL: "Erythropoietin improves exercise capacity in patients with heart failure." CIRCULATION, vol. 104, no. 17 Supplement, 23 October 2001 (2001-10-23), page II.438 XP001097310 Scientific Sessions 2001 of the American Heart Association; Anaheim, California, USA; November 11-14, 2001, October 23, 2001 ISSN: 0009-7322 cited in the application the whole document ---	1,3,5-9, 11,14
Y	AKIMOTO TETSU ET AL: "Erythropoietin regulates vascular smooth muscle cell apoptosis by a phosphatidylinositol 3 kinase-dependent pathway." KIDNEY INTERNATIONAL, vol. 58, no. 1, July 2000 (2000-07), pages 269-282, XP001098461 ISSN: 0085-2538 the whole document --- -/--	14

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 00 63403 A (SCHOUTEN GOVERT JOHAN ;HATEBOER GUUS (NL); BOUT ABRAHAM (NL); INTR) 26 October 2000 (2000-10-26) cited in the application page 10, line 20-28 -----	6-9

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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